International application No.
PCT/AU2004/001254

Α. Ο	LASSIFICATION OF SUBJECT MATTI	ER	•		
	306F 9/445, G06F 15/16				
According to In	nternational Patent Classification (IPC) or	to both	national classification and IPC		
	FIELDS SEARCHED				
Minimum docum	nentation searched (classification system follow	red by cl	assification symbols)		
Degumentation	searched other than minimum documentation to	the ext	ent that such documents are included in the fields search	red	
Electronic data to USPTO, DW endian, netwo	PI, esp@cenet, citeseer: instruction, er	name or ncode,	data base and, where practicable, search terms used) decode, stub, skeleton, 'virtual machine', byte	code, unicode,	
	DOCUMENTS CONSIDERED TO BE RELEV	VANT			
Category*	the second secon				
x	US-2003/0140180-A1 (BROWN et a	1.) 24	July 2003	8-10, 48, 51	
:	See whole document	,			
х	EP-0766172-B1 (SUN MICROSYST See Column 10 line 1 to column 15 l	TEMS, ine 22	INC.) 2 April 1997	1-7, 46	
Α	US-6578193-B1 (ADAMS) 10 June See abstract	2003			
A	US-2003/0009539-A1 (HATTORI) See abstract	9 Janua	ary 2003		
X F	Further documents are listed in the con-	tinuatio	on of Box C X See patent family and	nex	
"A" docume	categories of cited documents: ant defining the general state of the art which is sidered to be of particular relevance	uT#	later document published after the international filing date or conflict with the application but cited to understand the princi underlying the invention	ple or theory	
"E" earlier s internat	application or patent but published on or after the tional filing date	"X"	document of particular relevance; the claimed invention canno or cannot be considered to involve an inventive step when the	e document is taken	
or whic	document of particular relevance: the claimed invention of				
"O" docume or other	ent referring to an oral disclosure, use, exhibition r means	"&"	document member of the same patent family		
but late	ent published prior to the international filing date or than the priority date claimed				
	tual completion of the international search		Date of mailing of the international search report	2 2 DEC 2004	
1 December	r 2004 iling address of the ISA/AU		Authorized officer		
AUSTRALIA PO BOX 200, E-mail addres	N PATENT OFFICE , WODEN ACT 2606, AUSTRALIA s: pct@ipaustralia.gov.au		MICHAEL HARDY		
Facsimile No.	(02) 6285 3929		Telephone No : (02) 6283 2547		

International application No.

PCT/AU2004/001254

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT				
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.		
A	US-6421733-B1 (TSO et al.) 16 July 2002 See whole document			
A	WO-1998/006034-A1 (GENERAL MAGIC, INC.) 12 February 1998 See whole document			
		·		
	·			

International application No.

PCT/AU2004/001254

Box No. II	Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This international reasons:	tional search report has not been established in respect of certain claims under Article 17(2)(a) for the following
	Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
	Claims Nos.: because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
	Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a)
Box No. III	Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
	ntional Searching Authority found multiple inventions in this international application, as follows: oplemental Box
1.	As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2.	As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3.	As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. X	No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: 1 to 10 and 46, *and claims 48 and 51 in so far as they are appended to claims 8 to 10 only
Remark o	Protest The additional search fees were accompanied by the applicant's protest.
	No protest accompanied the payment of additional search fees.

International application No.

PCT/AU2004/001254

Supplemental Box

(To be used when the space in any of Boxes I to VIII is not sufficient)

Continuation of Box No: III

Lack of unity of invention; overview of the inventions claimed:

Group (1): Claims 1 to 10 and 46 relate to a network, method and architecture for communicating instructions between at least two devices wherein selection means is provided for selecting an encoding protocol for the instructions from a set of available encoding protocols.

Group (2): Claims 11 to 14 relate to a virtual computer having an object stack or heap and an instruction set.

Group (3): Claims 15 to 18, 49 and 52 relate to a method, apparatus and computer program product for executing an instruction set using a virtual computer wherein the virtual computer is serialised to a data buffer in a first device and then transmitted to a second device.

Group (4): Claims 19 to 45, 47, 50 and 53 relate to a communications format, method, architecture, apparatus and computer program product for providing communications between two devices wherein the format has a first portion representing data and a second portion representing metadata.

*Claims 48 and 51 also relate to the invention of Group (1) in so far as they are appended to claims 8 to 10 and relate to the invention of Group (4) in so far as they are appended to claims 32 to 44. A comprehensive search of claims 48 and 51 would necessarily require two separate searches, a search for the invention of Group (1) and a search for the invention of Group (4).

Although all these inventions are applicable to the general field of networked computer systems there is no special technical feature common to all four sets of claims as required by Rule 13.2

Information on patent family members

International application No.

PCT/AU2004/001254

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report				Pater	nt Family Member		
US	20030140180						
EP	0766172	JР	9231076	US	5737607	<u> </u>	
US	6578193	US	6141732	US	6356996	US ·	6408384
US	20030009539				-		
US	6421733	AU	68656/98	BR	9811457	EP	1012733
		US	5902846 ⁻	wo	9843177		<u>·</u>
VO	98/06034				•		

Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.

END OF ANNEX